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Council on Science and Technology
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EDUCATION

Ph.D. Curriculum and Instruction - Science Education, 2015

Presidential Doctoral Fellow in Science Education

University of South Florida, Tampa, FL

J.D. Law, Environmental Law Clinic, 1996. Rutgers Law School, Newark, NJ

M.S. Ecology and Evolutionary Biology, 1989. Rutgers University, Graduate School, New Brunswick, NJ

B.A. Music, Conc. in Biology, 1985. Hofstra University, Hempstead, NY

PROFESSIONAL EXPERIENCE

2019-Pres. **Executive Director**, Council on Science and Technology - Princeton University, Princeton, NJ.

2016-2019 **Assistant Professor of Science Education** (Promoted to **Associate Professor with Tenure**, Spring 2019) – Department of Teacher Education, Patton College of Education, Ohio University, Athens, OH.

2012-2014 **Instructor and Intern Supervisor** – College of Education, University of South Florida, Tampa, FL.

2001-2011, **Science Teacher/Science Coordinator/Head of K-12 Science** - Collegiate School, New York, NY.
2014-2016

1989-2001 **Science Education Specialist**, Consortium for Educational Equity, Rutgers University, New Brunswick, NJ.

1992-1995 **Adjunct Professor of Biology and Minority Student Coordinator**, Kean University, Union, NJ.

1988-1992 **Academic/Pre-Professional Advisor**, Livingston College, Rutgers University, New Brunswick, NJ

1987-1988 **Director, Douglass Science Institute for High School Women**, Rutgers University, New Brunswick, NJ

SCHOLARSHIP

Peer-Reviewed Journal Articles (*doctoral student, **undergraduate)

- Kahn, S.**, Vertesi, J., Adriaenssens, S., *Byeon, J. Fixdal, M., Godfrey, K.,...Wagoner, K. (2022). The impact of online STEM teaching and learning during COVID-19 on underrepresented college students' self-efficacy and motivation. *Journal of College Science Teaching*, 51(6), 6-15.
- Kahn, S.**, **Agyarko, T., **Lanouette, G., **Lee, S., & **Wiredu, C. (2021). Increasing awareness of inclusive STEM education through a college-level student research group. *Journal of Science Education for Students with Disabilities*, 24(1)1-18, Art.14
- Kahn, S.** & Zeidler, D.L. (2019). A conceptual analysis of perspective taking in support of socioscientific reasoning. *Science & Education*, 28, 605- 638.
- Hartman, S. & **Kahn, S.** (2019). Benefits of community-university partnerships in rural settings: Lessons learned from an inclusive science day event. *Collaborations: A Journal of Community-Based Research and Practice*, 2(1), 6.
- *Cross, S. & **Kahn, S.** (2018). Science in the garden: A qualitative analysis of school-based agricultural educators' strategies. *Journal of Agricultural Education*, 59(4), 88-104
- Kahn, S.** & Hartman, S. (2018). Debate, dialogue, and democracy through science! *Science & Children*, 56(2)36-44.
- Kahn, S.**, Hartman, S., Oswald, K., & *Samblanet, M. (2018). Promoting "Science for All" Through Teacher Candidate Collaboration and Community Engagement. *Innovations in Science Teacher Education*, 3(2).
- Kahn, S.**, *Pigman, R., & Ottley, J. (2017). A tale of two courses: Exploring teacher candidates' translation of science and special education methods instruction into inclusive science practices. *Journal of Science Education for Students with Disabilities*. 20(1), 50-68.
- Hartman, S. & **Kahn, S.** (2017). Start local, go global: Community partnerships create opportunities that empower children as citizens and scientists. *Social Studies and the Young Learner*, 29(4), 3-7.
- Kahn, S.** & Zeidler, D.L. (2017). A case for the use of conceptual analysis in science education research. *Journal of Research in Science Teaching*, 54(4), 538-551.

Zeidler, D.L., Herman, B.C., Clough, M.P., Olson, J., **Kahn, S.** & Newton, M. (2016). Humanitas emptor: Reconsidering recent trends and policy in science teacher education. *Journal of Science Teacher Education*, 27(5), 465-476.

Kahn, S., & Zeidler, D. L. (2016). Using our heads and HARTSS (Humanities, Arts, and Social Sciences): Developing perspective-taking skills for socioscientific reasoning. *Journal of Science Teacher Education*, 27(3), 261-281.

Kahn, S. (2015). Another “M” for STEM? Moral considerations for advancing STEM literacy. *K-12 STEM Education*, 1(4), 149-156.

Kahn, S., & Lewis, A.R. (2014). Teaching science to students with disabilities: A survey of teacher preparedness and attitudes, *Journal of Science Teacher Education*, 25(8), 885-910.

Kahn, S., Feldman, A., Cooke, M. (2014). Signs of autonomy: Inquiry and autonomy in the deaf science classroom, *Journal of Science Education for Students with Disabilities*, 17(1), 13-35.

Kahn, S., Wild, T., Woolsey, M. L., & Haegele, J. (2014). Let’s get physical: Making science accessible for students with physical disabilities, *Science and Children*, 51(5), 37-43.

Kahn, S. (2011). Weather watchers: A first grade class uses instruments, models, and their senses to observe and predict the weather, *Science and Children*, 48(8), 68-70.

Kahn, S. (2009). Wonderful wikis: Using technology to foster collaboration on science projects, *Science and Children*, 46(9), 27-31.

Kahn, S. (2009). Gold rush! *Science and Children*, 46(7), 30-33.

Kahn, S. (2005). Savvy consumers through science, *Science and Children*, 42(6), 30-34.

Kahn, S. (2005). Introducing bugs in first grade science, *ENC Focus Review*, Feb. 2005.

Kahn, S. (2003). Including all students in hands-on learning, *ENC Focus*, 10(2), 14-17.

Books

Kahn, S. (2019). *It’s Still Debatable! Using Socioscientific Issues to Develop Scientific Literacy, K-5*. Arlington, VA: NSTA Press

Koomen, M.H., **Kahn, S.**, Atchison, C. & Wild, T. (Eds.) (2018). *Towards Inclusion of All Learners Through Science Teacher Education*. Leiden, The Netherlands: Brill

Zeidler, D.L. & **Kahn, S.** (2014). *It's Debatable: Using Socioscientific Issues to Develop Scientific Literacy, K-12*, Arlington, VA: NSTA Press.

Chasek, A., Corris, J., & **Kahn, S.** (1997). *Family Tools and Technology Teacher's Manual*. New Brunswick, NJ: Rutgers University.

Mastny, A., **Kahn, S.** & Sherman, S. (1992). *Science Teams Teacher's Manual*. New Brunswick, NJ: Rutgers University.

Book Chapters

Kahn, S. & Lintner, T. (In Press). Socioscientific Issues (SSI) as a Framework for Teaching Climate Change. In L. Madden (Ed.), *Climate Change Education Across Disciplines K-12: New Jersey and Beyond*. Lanham, MD: Rowman & Littlefield.

Kahn, S. (2023). Special needs and talents in science learning. In N.G. Lederman, D.L. Zeidler, & J. Lederman (Eds.), *Handbook of Research on Science Education, Vol. III*. Mahwah, NJ: Routledge, Taylor and Francis.

Kahn, S. & Lintner, T. (2023). Quality inclusive science and social studies instruction. In C. Thomas & B. Hott (Eds.), *Inclusive Instruction and Intervention in Middle and Secondary Education*. Lanham, MD: Rowman & Littlefield.

Koomen, M. H., **Kahn, S.**, & Shume, T. (2022). Including all learners through science teacher education. In J. Luft & G. Jones (Eds.), *Handbook of Research on Science Teacher Education*. Mahwah, Routledge, Taylor, and Francis.

Kahn, S. (2020). No child too young: A teacher research study of socioscientific issues implementation at the elementary level. In Powell, W. (Ed.), *Socioscientific Issues-Based Instruction for Scientific Literacy Development*. Hershey, PA: IGI Global.

Kahn, S. (2018). From access to assets: Strength-based visions for inclusive science education. In Koomen, M.H., Kahn, S., Atchison, C. & Wild, T. (Eds), *Towards Inclusion of All Learners Through Science Teacher Education*. Leiden, The Netherlands: Brill Publishers.

McGinnis, J.R. & **Kahn, S.** (2014). Special needs and talents in science learning. In N.G. Lederman & S.K. Abell (Eds.), *Handbook of Research on Science Education, Vol.II*. Mahwah, NJ: Routledge, Taylor and Francis.

Osleeb, J. & **Kahn, S.** (1999). Integration of Geographic Information. In Dale, V. H. & English, M. R. (Eds.), *Tools to Aid Environmental Decision-Making*. New York: Springer-Verlag.

Invited Book Review

Kahn, S. (2013). Review of the book, *Working Knowledge: Making the Human Sciences from Parsons to Kuhn* by J. Isaac., *Science Education*, 97(4), 640-642.

Invited Commentary

Kahn, S. & Aronin, S. (2013). A Call for Collaboration and Support. *NSTA Reports*. March, 2013.

National Position Paper

Kahn, S., Catlin, J., Karl, R., Porter, J., & Sparks, D. (2020). Gender Equity in Science Education. Position statement of the National Science Teaching Association. <https://www.nsta.org/about/positions/genderequity.aspx>

Program Evaluation Reports

Year Five Annual Report on the Florida Voluntary Public School Choice Program. Report prepared for the Florida Department of Education by the David C. Anchin Center, University of South Florida, Tampa, FL. 2012

Multi-Year Analysis of the Florida Voluntary Pubic School Choice Program. Summative report for the Florida Department of Education by the David C. Anchin Center, University of South Florida, Tampa, FL. 2012

GRANTS

Principal Investigator (2018-2019) – *Expanding Notions of Inclusive Science Education to Include Trauma-Informed Care in Southeast Ohio* – The Patton College Mini Grants for Academic Engagement and Outreach - \$1,500

Principal Investigator (2018-2019) - *Enhancing Secondary Science Teacher Candidates' Understanding of Science in the Community through Service Learning* - O.U. Center for Campus and Community Engagement - \$575

Principal Investigator (2017-2018) - *Inclusive Science Day: Promoting 'Science for All' Through Community Outreach and Teacher Candidate Engagement* - The Patton College Mini Grants for Academic Engagement and Outreach - \$1,500

Principal Investigator (2017-2018) - *Implementation of Service Learning in Secondary Science Methods*. O.U. Center for Campus and Community Engagement - \$1000

Principal Investigator (2016-2017) – *Socioscientific Reasoning Patterns of Pre-Service Science Teachers*. Patton College of Education Research Committee - \$999

Principal Investigator (2016-2017) – *Inclusive Science Day*.
O.U. Center for Campus and Community Engagement Mini-Grant \$1,000

Investigator (5% time) (2016-2017) - *Choose Appalachian Teaching (CAT) Scholarship*
Program Grant

Principal Investigator (2000-2001) - *Special Science Teams Continues*
National Science Foundation (HRD-0004476) \$268,738

Co-Principal Investigator (1998-2000) - *Special Science Teams*
National Science Foundation (HRD-9800336) \$247,997

AWARDS, HONORS, AND FELLOWSHIPS

Clio Hall Award– Princeton University Graduate School, Princeton, NJ. 2024

Ohio Magazine Excellence in Education Honoree. 2018

OHIO Faculty Newsmaker – Ohio University, Athens, OH. 2018

Center for Campus and Community Engagement “Rock Star” – Ohio University, Athens, OH. 2017

“Top of the Top Tier” Journal Incentive Recipient – Patton College of Education, Ohio University, Athens, OH. 2017.

Best Paper on Implications of Research for Educational Practice (Award V), Association for Science Teacher Education. Kahn, S. & Zeidler, D.L., *Using our Heads and HARTSS: Developing Perspective-Taking Skills for Socioscientific Reasoning*. 2015

Outstanding Graduate Student Oral Paper, Florida Academy of Sciences. *Including Students with Disabilities in Science*. 2012

Presidential Doctoral Fellowship, University of South Florida, Tampa, FL, 2011- 2015

Technology Fellow – Collegiate School, New York, NY, 2006

Wilson Parkhill Fellowship Winner (Teacher of the Year) – Collegiate School, New York, NY, 2005

National Fellow, American Symphony Orchestra League, Washington, D.C. 1985-1986

INVITED TALKS AND KEYNOTE PRESENTATIONS (International and National)

- Kahn, S.** (2022, March). *Another “M” for STEM: Moral Considerations for Advancing STEM Literacy*. Keynote speaker for the Institute of Electrical and Electronics Engineers (IEEE) STEM Education Conference (ISEC 2022). Virtual
- Kahn, S.** (2021, May). *It Takes a (Collaborative) Village: Supporting Inclusive Science Education*. Keynote speaker for the Smithsonian Science Education Center’s Zero Barriers in STEM Summit. Virtual
- Kahn, S.** (2021, April). *Making the Case to Empower, Evoke, and Revolutionize the Culture of Science for Social Equity*. Invited speaker for Equity and Ethics sponsored session at the annual meeting for the National Association for Research in Science Teaching (NARST). Virtual
- Kahn, S.** (2021, January). *From Access to Assets: Strength-Based Visions for Inclusive Science Education*. Keynote speaker for the National Science Teaching Association’s (NSTA) Rising to the Challenge Series. Virtual
- Kahn, S.** (2020, October). *It Takes a (Collaborative) Village: Three Approaches for Supporting Inclusive Science Education.*” Focus speaker at the California Science Education Conference, California Science Teachers Association, Palm Springs, CA.
- Kahn, S.** (2019, April). *Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics*. Invited panel presentation for the National Association for Research in Science Teaching’s (NARST) research committee session, Baltimore, MD.
- Kahn, S.** (2018, November). *It Takes a (Collaborative) Village: Envisioning the Strengths of Every Science Student*. Keynote presentation at the Virginia Association of Science Teachers Sterling Pre-Conference – Williamsburg, VA.
- Kahn, S.** (2018, March). *Socioscientific Issues and Sustainability: Where Research Meets Practice*. In K. Haverkos & T. Shume (Chairs), *Provocative Tensions: How Four Approaches Inform Visions of Sustainability-Oriented Science Education*. Invited panel presentation at the annual meeting of the National Association for Research in Science Teaching (NARST), Atlanta, GA.
- Kahn, S.** (2018, March). *Equity Through Socioscientific Issues and Strength-Based Teaching*. In P. Boda & S. Bancroft (Chairs), *Re-Centering on Scientific Literacy in an Era of Science Mistrust and Misunderstanding*. Invited panelist at the Equity and Ethics Committee Pre-Conference of the annual meeting of the National Association for Research in Science Teaching (NARST), Atlanta, GA.

- McGinnis, J.R. & **Kahn, S.** (2015, April). *Special Needs and Talents in Science Learning*. In N.G. Lederman (Presider), *Handbook on Research in Science Education: Implications for Preservice Science Teacher Education*. Invited Symposium: Pre-Service Science Teacher Education at the annual meeting of the National Association for Research in Science Teaching (NARST), Chicago, IL.
- Kahn, S.** (2013, January). *Science for All in the 21st Century*. Featured invited speaker at the International Science, Mathematics and Technology Education Conference (ISMTEC), Bangkok, Thailand.
- Kahn, S.** (2013, January). *Including All Students in Hands-on Science*. Invited presentation at the International Science, Math, and Technology Education Conference (ISMTEC) Bangkok, Thailand.
- Kahn, S.** (2005, April). *Science For All*. Featured presentation given at the National Science Teachers Association (NSTA) Convention, Dallas, TX
- Kahn, S.** (2002, March). *Law, Learning, and Love: Science From the Perspective of an Educator, Attorney and Parent*. Featured presentation given at the National Science Teachers Association (NSTA) Convention, San Diego, CA.
- Kahn, S.** (2000, February). *Scientists and K-12 Education*. Featured presenter at the American Association for the Advancement of Science (AAAS) Annual Meeting, Washington, D.C.
- Osleeb, J. & **Kahn, S.** (1996, November). *Integration of Information for Environmental Decision-Making: A Case Study*. Invited presentation at the Oak Ridge National Laboratories, Knoxville, TN.

INVITED TALKS AND KEYNOTE PRESENTATIONS (State, Regional, and Local)

- Kahn, S.** (2024, July). SSI, Ethical Decision Making, and Moral Development. Invited speaker for Understanding STEM Teaching through Integrated Contexts in Everyday Life (USTRIVE) Project, Arcadia University, Glenside, PA.
- Kahn, S.** (2023, October). *A Trajectory Towards Socioscientific Perspective Taking and Inclusive Science Education*. Invited speaker for doctoral course, “Sociocultural Approaches and SSI in Science Education.” University of South Florida. Virtual
- Kahn, S.** (2023, August). SSI, Ethical Decision Making, and Climate Change. Invited speaker for Understanding STEM Teaching through Integrated Contexts in Everyday Life (USTRIVE) Project, Arcadia University, Glenside, PA.

- Kahn, S.** (2022, August). *SSI, Ethical Decision Making, and Moral Development*. Invited speaker for Understanding STEM Teaching through Integrated Contexts in Everyday Life (USTRIVE) Project, Arcadia University. Virtual
- Kahn, S.** (2021, October). *SSI, Ethical Decision Making, and Moral Development*. Invited speaker for Understanding STEM Teaching through Integrated Contexts in Everyday Life (USTRIVE) Project, Arcadia University. Virtual
- Kahn, S.** (2021, October). *A Trajectory Towards Socioscientific Perspective Taking and Inclusive Science Education*. Invited speaker for doctoral course, “Sociocultural Approaches and SSI in Science Education.” University of South Florida. Virtual
- Kahn, S.** (2021, January). *It’s Debatable: Using Socioscientific Issues to Develop Scientific Literacy*. Keynote speaker for the Philadelphia Regional Institute for STEM Educators (PRISE). Virtual
- Kahn, S.** & Hartman, S. L. (2018, October). *Collaborations with the Ohio Valley Museum of Discovery: Promoting Learning Opportunities for All*. Invited presentation to be delivered at the Outreach Forum of the Patton College of Education, Athens, OH.
- Hartman, S.L., Parsons, J. & **Kahn, S.** (2018, June). *University-Community Partnerships: Collaborations that Further Learning for All*. Invited presentation at the Ohio University Emeriti Association Luncheon, Athens, OH.
- Kahn, S.** (2016, November). *(Dis)Ability: Ability, Access, and Inclusion in Education and Human Services*. Invited panel presentation delivered at the Patton College of Education Dean’s Advisory Committee on Diversity Soup and Substance, Ohio University, Athens, OH.
- Kahn, S.** (2013, November). *Learning, Law, and Love: Perspectives on Inclusive Science From an Educator, Attorney, and Parent*. Invited talk given at the University of Missouri, Columbia, MO.
- Kahn, S.** (2009, February). *The Inclusive Classroom: Hands-On Science to Promote Math Learning for All Students*. Invited talk at the Bank Street College of Education, New York, NY
- Kahn, S.** (2005, April). *Beyond Learning and Law*. Keynote address delivered at the New Jersey State Systemic Initiative (NJ-SSI) Spring Conference, Morristown, NJ
- Kahn, S.** (2000, April). *Encouraging All Students in Science*. Invited talk at the University of Delaware School of Education, Newark, DE.

Kahn, S. (2000, January). *The Benefits of a Career in Education*. Featured presentation at the New Jersey Business/Industry/Science Education Consortium (NJ BISEC) annual meeting, New Brunswick, NJ.

Kahn, S. (1998, January). *Understanding the Laws Affecting Persons with Disabilities*. Invited talk at Hunter College, New York, NY.

INVITED WORKSHOPS, WEBCASTS, AND PODCASTS

Kahn, S. (2021, January). Embracing the Controversy of Socioscientific Issues. Invited podcast interviewee for Jabbedu education podcast. Virtual

Kahn, S. & Hartman, S.L. (2017, November). *Mixing it Up: Integrating Science and Social Studies with Literacy*. Invited workshop presented for Federal Hocking School District, Stewart, OH.

Kahn, S. & Zeidler, D.L. (2015, January). *It's Debatable! Using Socioscientific Issues to Develop Scientific Literacy, K-12*. Invited workshop for the New York State Association of Independent Schools (NYSAIS), New York, NY.

Kahn, S. (2012, February). *The Eye of the Beholder: Sexual Selection in the Animal Kingdom*. Invited workshop given at the Hillsborough County School District's "Darwin Day" Professional Development, Tampa, FL.

Kahn, S. (2009, November). *Fostering Inclusion Through After School Math: The AIM Program*. Invited webcast funded by the Mitsubishi Foundation, New York, NY.

Kahn, S. (2006, May). *Including All Students in Inquiry-Based Science*. Webcast funded by the National Science Foundation (NSF), New York, NY.

CONFERENCE ACTIVITY

Presentations at International, National, and State Conferences

(*doctoral student, **undergraduate)

Kahn, S., Koomen, M., Shume, T., & Madden, L. (2024, January). *Building an Ethos of Inclusivity through Research on Science for Students with Disabilities*. Association for Science Teacher Education International Conference. New Orleans, LA.

Koomen, M., **Kahn, S.,** Madden, L., & Taylor, J. (2023, March). *Towards Inclusion: Accessibility and Equity for All Students*. National Science Teachers Association (NSTA) Conference. Atlanta, GA.

- Kahn, S.** & Vertesi, J. (2022, March). *The Impact of Online STEM Teaching and Learning During COVID-19 on Underrepresented College Students' Self-Efficacy and Motivation*. Presented at the National Association for Research in Science Teaching (NARST) – Virtual
- Kahn, S.** & Georges, P. (2022, March). *Diversifying STEM Curriculum through a Community of Practice*. Poster presented at the American Association of Colleges and Universities (AAC&U)'s 2022 Conference on Diversity, Equity, and Student Success (DESS), More than Just Words. Virtual
- Kahn, S.** (2021, April). *No Child Too Young - Socioscientific Issues-Based Instruction for Scientific Literacy Development*. Presented at the annual meeting of the National Association for Research in Science Teaching (NARST) - Virtual
- Kahn, S.**, *Pigman, R., & Ottley, J. (2019, April). *A Tale of Two Courses: Teacher Candidates' Translation of Inclusive Methods Instruction Into Science Teaching*. Presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Baltimore, MD.
- Kahn, S.** (2019, April). *Disability Studies in (Science) Education as a Framework for Equity and Action* (discussant and presenter). Presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Baltimore, MD.
- Koomen, M., **Kahn, S.**, Wild, T., et al. (2019, April). *Toward Inclusion: Accessibility and Equity for All Students*. Presented at the National Science Teachers Association (NSTA) Conference, St. Louis, MO.
- Kahn, S.**, Koester, M., Hebert, T., & Porter, J. (2019, January). *Positioning STEM Education as a Vehicle for Inclusivity*. Presented at the annual meeting of the Association for Science Teacher Education (ASTE), Savannah, GA.
- Kahn, S.** & Koomen, M. (2018, April). *Towards Inclusion of All Learners*. In S. Kahn (Chair), *Mediating the Gap: Towards Inclusive Science Education*. Roundtable presented at the annual meeting of the American Educational Research Association (AERA). New York, NY.
- Kahn, S.** & *Cross, S. (2018, March). *In Search of Socioscientific Perspective Taking: Empirical Refinement of a Theoretically-Derived Construct*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Atlanta, GA.

- Kahn, S.** (2018, March). *From Access to Assets in Pre-Service Science Education*. In S. Kahn (Discussant), *Implications of Inclusive Science Education Research for Pre-Service Science Teacher Education*. Symposium presented at the annual meeting of the National Association for Research in Science Teaching (NARST), Atlanta, GA.
- Kahn, S.,** Koomen, M., Hebert, T., Huffling, L., Lederman, J. (2018, March). *Towards Inclusion of All Learners through Science Teacher Education*. Panel presentation at the National Science Teachers Association (NSTA) Conference, Atlanta, GA.
- Kahn, S. & **Eads, K.** (2018, March). *Promoting “Science For All” Through an Inclusive Science Day Event: Research, Practice, and a Student Perspective*. Paper presented at the Science Education for Students with Disabilities Pre-Conference of the National Science Teachers Association (NSTA) Conference, Atlanta, GA.
- Kahn, S.** (2018, January). *Promoting Science for All Through Teacher Candidate Collaboration and Community Engagement*. Paper presented at the annual meeting of the Association for Science Teacher Education (ASTE). Baltimore, MD.
- Pacheco-Guffrey, H., **Kahn, S.,** & Koomen, M. (2018, January). *Achieving the Promise of STEM Education as a Vehicle for Inclusivity*. Paper presented at the annual meeting of the Association for Science Teacher Education (ASTE). Baltimore, MD.
- Kahn, S.,** (2017, April). *No Child Too Young? An Exploratory Teacher Research Study of Socioscientific Issues Implementation at the Elementary Level*. Paper presented at the annual meeting of the National Association for Research in Science Teaching (NARST), San Antonio, TX.
- Koomen, M. & **Kahn, S.** (2017, April). *Voices of Students with Disabilities in Science Education*. Presentation at the annual meeting of the American Educational Researchers Association (AERA), San Antonio, TX.
- Kahn, S.,** Koomen, M. Atchison, C., Summy, S., Lederman, J. (2017, January). *Towards Inclusion of All Learners Through Science Teacher Education*. Presentation at the annual meeting of the Association for Science Teacher Education (ASTE). Des Moines, IA.
- Kahn, S.** (2016, December). *Science Teaching for All*. Presenter at the Equity Roundtable of the National Science Teachers Association’s (NSTA) Regional Conference, Columbus, OH.
- Kahn, S.** (2016, December). *It’s Debatable! Using Socioscientific Issues to Develop Scientific Literacy, K-12*. Presentation at the National Science Teachers Association’s Regional Conference, Columbus, OH.

- Kahn, S.** & Zeidler, D. L. (2016, April). *A Conceptual Analysis of Perspective Taking in Support of Socioscientific Reasoning*. Paper presented at the annual meeting of the National Assoc. for Research in Science Teaching (NARST), Baltimore, MD.
- Kahn, S.** (2016, April). *It's Debatable! Using Socioscientific Issues to Develop Scientific Literacy, K-12*. Presentation at the National Science Teachers Association (NSTA) National Convention, Nashville, TN.
- Kahn, S.** & Zeidler, D.L. (2016, January). *Finding Common Ground: Using Theoretical Inquiry to Identify Promising Frameworks for the Promotion of Socioscientific Perspective Taking*. Paper presented at the annual meeting of the Association for Science Teacher Education (ASTE), Reno, NV.
- Zeidler, D.L., Herman, B.C., Clough, M.P., Olson, J., **Kahn, S.** & Newton, M. (2016, January). *Humanitas Emptor: Reconsidering Trends and Policies in Science Education*. Paper presented at the annual meeting of the Association for Science Teacher Education (ASTE), Reno, NV.
- Kahn, S.** (2015, March). *Including All Students in Inquiry-Based Science*. Presentation at the Multicultural/Equity Share-a-Thon, National Science Teachers Association (NSTA) National Convention, Chicago, IL.
- Zeidler, D.L. & **Kahn, S.** (2015, March). *It's Debatable! Using Socioscientific Issues to Develop Scientific Literacy, K-12*. Presentation at the National Science Teachers Association (NSTA) National Convention, Chicago, IL.
- Zeidler, D.L. & **Kahn, S.** (2015, January). *It's Debatable: Using Socioscientific Issues in Methods Courses to Develop Scientific Literacy*. Presentation at the annual meeting of the – Association for Science Teacher Education (ASTE), Portland, OR.
- Zeidler, D.L. & **Kahn, S.** (2014, November). *It's Debatable! Using Socioscientific Issues to Develop Scientific Literacy, K-12*. Presentation at the National Science Teachers Association Regional Conference, Orlando, FL.
- Kahn, S.** (2014, October). *It's Debatable! Using Socioscientific Issues to Develop Scientific Literacy, K-12*. Presentation at the National Science Teachers Association Regional Conference, Richmond, VA.
- Kahn, S.** (2014, April). *Debate, Dialogue, and Democracy: Using Socioscientific Issues to Develop Scientifically Literate Citizens*. Presentation at the National Science Teachers Association (NSTA) National Convention, Boston, MA.

- Kahn, S.** & Zeidler, D.L. (2014, January). *Using our Heads and HARTSS (Humanities, Arts, and Social Sciences): Developing Perspective-Taking Skills for Socioscientific Reasoning*. Paper presented at the annual meeting of the Association for Science Teacher Education (ASTE), San Antonio, TX.
- Kahn, S.** (2013, April). *Using a “Strengths-Based” Approach to Teaching Science to Students with Disabilities*. Presentation at the National Science Teachers Association (NSTA) Convention, San Antonio, TX.
- Kahn, S.** & Lewis, A. R. (2013, January). *Teaching Science to Students with Disabilities: A Survey of Teacher Preparedness and Attitudes*. In *Ensuring Quality Science Experiences for Students with Disabilities: Implications for Professional Development* themed paper set. Paper presented at the annual meeting of the Association for Science Teacher Educators (ASTE), Charleston, SC.
- Kahn, S.,** Feldman, A., & Cooke, M. (2013, January). *Signs of Autonomy: Inquiry and Autonomy in the Deaf Science Classroom*. In *Students with Disabilities in the Geological Sciences: Promoting Equity through Access, Self-efficacy, Autonomy, and Inquiry* themed paper set. Paper presented at the annual meeting of the Association for Science Teacher Educators (ASTE), Charleston, SC.
- Kahn, S.** & Ledbetter, L. (2012, November). *Einstein as a Verb: Introducing the Language of Science to Young Children*. Paper presented at the annual meeting of the National Association for the Education of Young Children (NAEYC), Atlanta, GA.
- Kahn, S.** (2011, October). *A Different Kind of Ecojustice: Including All Students in Environmental Science*. Paper presented at the annual meeting of the Southeastern Association of Science Teacher Educators (SASTE), Athens, GA.
- Kahn, S.** (2011, March). *Including Students with Disabilities in Science*. Presentation given at the Florida Academy of Sciences, Tampa, FL.
- Kahn, S.** (2011, March). *Twice Exceptional Students in Science*. Presentation given at the National Science Teachers Association (NSTA) Convention, San Francisco, CA
- Kahn, S.** (2010, March). *All That Glitters: Developing a School-Wide Interdisciplinary Science Curriculum on Treasures*. Presentation given at the National Science Teachers Association (NSTA) Convention, Philadelphia, PA 2010
- Kahn, S.** (2009, March). *Wonderful Wikis: Using Technology to Foster Collaboration in the Science Classroom*. Paper presented at the National Science Teachers Association (NSTA) Convention, New Orleans, LA 2009

- Kahn, S.** (2008, March). *The Role of Advocacy in Ensuring Quality Science Education for Students with for Students with Disabilities*. Presentation given at the National Science Teachers Association (NSTA) Convention, Boston, MA 2008
- Kahn, S.** (2004, April). *Including All Students in Hands-on Science*. Paper presented at the National Science Teachers Association (NSTA) Convention, Atlanta, GA
- Kahn, S.** (2000, March). *Introducing the Topic of Natural Resources to a Diverse Classroom*. Presentation given at the National Science Teachers Association (NSTA) Convention, Orlando, FL.
- Kahn, S.** (1999, March). *Hands-on Environmental Science for Elementary School Students*. Presentation delivered at the National Science Teachers Association (NSTA) Convention, Boston, MA.

TEACHING

Courses Taught

ESED 520	EcoJustice and Socioscientific Issues	TCNJ	Fall 2021
EDEC 3400	Early Childhood Science Methods	OU	Spring 2017, 2018, and 2019
EDSE 4400	Secondary Science Methods	OU	Fall 2016, Fall, 2017, Fall 2018
EDTE 4900	Special Topics in Teacher Ed.	OU	Fall 2017, Fall 2018
EDTE 6931	Meth. for Teach. Earth/Life/Phys Sci	OU	Fall 2016, Fall 2017, Fall 2018
EDTE 7160	Theories of Instructional Change	OU	Fall 2016
EDEC 3002	Junior Clinical Experiences I	OU	Fall 2017, Fall 2018
EDEC 3003	Junior Clinical Experiences II	OU	Spring, 2018, Spring 2019
EDPL 3920	Partnership Practicum	OU	Fall 2017, Spring 2018, Spring 2019
EDTE 8900	Special Topics in Teacher Ed.	OU	Fall 2016, Spring 2017, Sum. 2017
EDTE 8923	Practicum in Science Education	OU	Fall 2017, Spring 2018
EDTE 8950	Dissertation Research	OU	Summer - Fall 2018, Spring 2019
EDTE 7920	Curriculum and Instruction Pract.	OU	Spring 2017
EDSE 8941	Research in Science Education	OU	Summer 2017, Spring 2018
SCE 4310	Teaching Elementary School Sci.	USF	Summer 2012, Summer 2013
PD ENG	Inclusive Science Ed. Strategies	UDEL	Summer2001

BIO 1300	General Biology I	Kean	Fall and Summer 1992-1995
BIO 1400	General Biology II	Kean	Spring and Summer 1992-1995

Student Advisement

Sahrish Pahjwani	2021-Present	Science Education	Ph.D.	UGA	Committee Member
Kory Bennett	2019-2020	Science Education	Ph.D.	USF	Committee Member
Tom Dolan	2018-2020	Science Education	Ph.D.	USF	Committee Member
Sarah Cross	2016-2019	Science Education	Ph.D.	OU	Major Professor
Liz Gauthier	2017-2018	Science Education	Ph.D.	OU	Major Professor
Loretta Harvey	2016-Present	Science Education	Ph.D.	OU	Committee Member
Marek Samblanet	2016-2018	Rec/Sports Pedag.	Ph.D.	OU	Committee Member
Ryan Pigman	2016-2019	Special Education	Ph.D.	OU	Committee Member
Mario Prestifillipo	2017-2018	Science Education	M.Ed.	OU	Advisor
Kelsie Rinard	2018-2019	Integ. Lang. Arts	M.Ed.	OU	Advisor
Liz Scott	2018-2019	Science Education	M.Ed.	OU	Advisor
Megan Almedina	2017-2018	Environmental Stud.	M.S.	OU	Committee Member
*Kristin Eads	2017-2018	Integrated Science	B.S.	OU	Research Advisor

*Recipient of 1st place award at OHIO Student Research Expo - 2018

SERVICE AND LEADERSHIP

National/International

Chair, Task Force on Accessibility – NSTA – 2023-Present

Merit Panel Reviewer – National Science Foundation – Alexandria, VA - 2023

Merit Panel Reviewer – National Science Foundation – Alexandria, VA - 2020

Associate Editor, *Southeast Asian Journal of STEM Education* – 2020 – Present

Editorial Board Member, *Springer Contemporary Issues and Trends in Science Education Library Series*, 2019 - Present

Co-Editor, *Journal of Science Education for Students with Disabilities* – 2017-2022

Chair, Inclusive Science Education Forum, ASTE – 2017- 2022

Advisory Board Member, *Science & Children* – 2017- 2020

Mentor and Invited Scholar - Science Education Research Institute for Southeast and South Asia (SERI/SESA) – Bangkok, Thailand - 2018-2020

Chair/Lead Author – National Science Teaching Association’s Position Statement on Gender Equity – 2018-2020.

Appointed Member, Presidential Task Force on Student Chapter Program, NSTA - 2017

Associate Editor, *K-12 STEM Journal* – 2016-2019

Manuscript Reviewer, *Science Education* – 2016 – Present

Manuscript Reviewer, *Journal of Research in Science Teaching (JRST)* – 2015 - Present

Manuscript Reviewer, *International Journal of Science Education (IJSE)* – 2014 – Present

Co-Chair, Inclusive Science Education Forum, ASTE – 2016-2017

Committee Member, Multicultural and Equity Committee, NSTA - 2014-2016

Advisory Board Member, KC Empower, American Association for the Advancement of Science (AAAS) -2013 - 2016

Advisory Board Member, QuEST, University of Missouri – 2013 – 2016

Thread Coordinator (Curriculum, Pedagogy, and Assess.), ASTE - 2013-2015

Thread Coordinator (Equity), Association for Science Teacher Education (ASTE) – 2012

Proposal Reviewer, National Assoc. for Research in Science Teaching (NARST) – 2012

Proposal Reviewer, Association for Science Teacher Education (ASTE) – 2012-2013

Chair, Special Needs Advisory Board, NSTA, 2012-2013, Board Member, 2011-2014.

Member – Equity Leadership Council, Educational Equity Center, NY, NY, 2007-2008

President, Science Education for Students with Disabilities (SESD), 2000-2005

National Congress on Science Education Planning Committee Member - NSTA - 2002-2003

Delegate, National Congress on Science Education – Charleston, SC, 2002

Chair, Scadden National Science Teaching Award Committee, 1999-2007

Panelist, Merit Review Panel, National Science Foundation, 1999

Mentor, “Shaping a Life” Program, Douglass College, Rutgers University, 1999

Curriculum Evaluator, Campbell-Kibler Associates, Groton, MA 1998-2001

Advisory Board Member - “Assets and Access” - Education Development Center, NY, NY, 1998-2000

Contributor, NCTM Standards 2000 - Reviewed for disability access, 1999

University, College, and Department

Member, Equipment Funding Working Group, Princeton University, 2024-Present

Member, Teaching and Learning Technologies Committee, Princeton University, 2023-Present

Member, Core Team, Ithaca S&R Study on Generative AI in Higher Education, Princeton University, 2023-Present

Member, University STEM Outreach Group, Princeton University, 2022-Present

Member, Cloud Computing Committee, Princeton University, 2022-Present

Member, Middle States Accreditation Working Group, Princeton University, 2022-2024

Member, Executive Committee, Program in Teacher Preparation, Princeton University, 2021-Present

Member, Executive Committee, Center for Digital Humanities, Princeton University, 2020-Present

Presenter, *An Ethical Framework for Broader Impacts and Community-Engaged Work* at “Achieving STEM Broader Impacts through Community Engaged Scholarship Workshop” hosted by CST/McGraw/ProCES. May 21, 2024

Panelist, *Well-Being in Learning Spaces*, presented at Community Care Day, TigerWell, Princeton University, October 2023.

Team Lead (Workshops) Princeton Research Day, Princeton University, 2021

Member, Instructional Working Group (Response to COVID-19), Princeton University, 2020-2022

Member, Committee on the Course of Study, Princeton University, 2019-Present

Member, Dean’s Administrative Working Group, Princeton University, 2019-Present

Member, Academic and Admin. Managers Group, Princeton University, 2019-Present

Presenter, Ohio University’s STEAM Team, *Inclusive Science Teaching Practices*, Feb. 2019.

Presenter, Appalachian Ohio Mathematics and Science Teaching Research Symposium (AppOMaSTRS 9), *Using Socioscientific Issues to Develop Scientific Literacy*, Oct. 2018.

Panelist, Dept. of Teacher Education sponsored film (“Bill Nye: The Science Guy”) at OHIO Sustainability Film Series, Sept. 2018.

Coordinator and Moderator, *New York Times* panel on “Teaching, Learning, and Reporting About Science in Times of Public Mistrust,” Ohio University, Athens, OH. Nov. 2017

Invited Expert, *Science in the Literacy Treehouse*. Presentation delivered at the Stevens Literacy Center, Patton College of Education, Ohio University, Athens, OH. June, 2017

Co-Presenter, *Not Another Textbook! Using Literature to Engage Children in Social Studies and Science Content* with Dr. Sara Hartman at the Patton College of Education Literacy Conference, Ohio University, Athens, OH. April, 2017.

Member, Graduate Committee, Department of Teacher Education, Patton College of Education, Ohio University, Athens, OH. 2017 - Present

Presenter, Appalachian Ohio Mathematics and Science Teaching Research Symposium (AppOMaSTRS 7), *It’s Debatable! Using Socioscientific Issues to Develop Scientific Literacy*. Ohio University, Athens, OH. September 2016.

Faculty Advisor, Ohio University National Science Teachers Association (OU-NSTA), Athens, OH. 2016-Present

Service to P-12 Schools and Community Agencies

Coordinator, “Inclusive Science Day” (with the Ohio Valley Museum of Discovery, Southeast Ohio Youth Mentoring, and CASA-GAL), Athens, OH. February 2019

Presenter, Teen Science Café – *It’s Debatable!* Athens, OH. February 2019

Faculty Coordinator, Amesville Elementary School – Professional Development School (PDS) partnership with Ohio University. Amesville, OH. 2017-Present.

Presenter, PD workshop for Rural Action’s Appalachian Green Teachers Conference entitled, “Marsh Madness! Exploring Wetlands Through Inquiry and Integration” November 2018 (Dr. Sara Hartman, co-presenter).

Coordinator, “Reduce, Reuse, Recycle” 5K Race to benefit Rural Action (over \$400 raised), Athens, OH. March, 2018

Coordinator, “Inclusive Science Day” with the Ohio Valley Museum of Discovery (over 200 attendees served), Athens, OH. February 2018

Presenter, BookS Professional Development day for participating teachers, Athens, OH. February 2018

Presenter, PD workshop for Amesville/Coolville entitled, “Integrating Science and Social Studies to Promote Literacy” in Nov. 2017 (Dr. Sara Hartman, co-presenter).

Presenter, PD workshop for Rural Action’s Appalachian Green Teachers Conference entitled, “Marsh Madness! Exploring Wetlands Through Inquiry and Integration” in Nov. 2017 (Dr. Sara Hartman, co-presenter) and oversaw student volunteers at the conference.

Coordinator, “OU Orbit” 5K race to benefit the Ohio Valley Museum of Discovery (over \$700 raised). Athens, OH. March, 2017.

Coordinator, “Inclusive Science Day” with Ohio Valley Museum of Discovery (over 150 visitors served), Athens, OH. February, 2017.

Community Service

Volunteer, D&R Canal Clean-up Community, 2023-Present

Volunteer, Community Service (diaper drive for resettled refugees), The Jewish Center, Princeton NJ. 2022.

Volunteer, Community Service (cooking for and serving residents at homeless shelter), Temple Israel, Columbus, OH. 2018.

Holiday Volunteer (serving meals to residents at homeless shelter), Metropolitan Ministries, Tampa, FL. 2012-2013.

Science Experiences for Homeless Children, Metropolitan Ministries, Tampa, FL. 2012-2013

Homebound Senior Volunteer – Dorot, New York, NY – 2004-2011

Science for Seniors – Hebrew Home for the Aged, New York, NY – 2005

Athlete Partner – Special Olympics – New York, NY – 2006-2010

Pro bono Attorney for Low Income Families of Children with Special Needs – New York, NY – 2000-2006

Volunteer – New York Road Runners, 1999-Present

IN THE NEWS

Staff Report (April, 2024). 2024 Clio Hall Awardees to be honored at GradFUTURES Forum <https://gradfutures.princeton.edu/news/2024/2024-clio-hall-awardees-be-honored-gradfutures-forum>

Saxon, Jamie (Aug. 2023). What makes an engineer a Princeton engineer? Princeton University homepage article. <https://www.princeton.edu/news/2023/08/09/what-makes-engineer-princeton-engineer>

Fuller-Wright, L. (Feb. 2022). Presenting the modern face of science. Princeton University homepage article on Diversifying STEM Curriculum Project. <https://www.princeton.edu/news/2022/01/28/modern-face-science>

Staff Report (Dec. 2018). Dr. Sami Kahn Mentors Emerging Scholars in Thailand. *The Educator*. Ohio University, Athens, OH. <https://www.ohio.edu/education/educator/faculty-spotlight.cfm#kahn>

- Votaw, E. (Oct. 2018). *Exploring Strengths-Based Education with Dr. Sami Kahn*. Radio interview for WOUB Public Media. <https://woub.org/2018/10/04/exploring-strengths-based-education-with-ohios-dr-sami-kahn/>
- Middleton, R. A. (Aug. 2018). *Book Talks With the Dean: Dr. Sami Kahn*. Patton College of Education, Ohio University, Athens, OH. <https://www.youtube.com/watch?v=dwNYQCBk2vA>
- Harmon, A. (Nov. 2017). Clearing the Air on Climate Education: A Reporter Returns to the Scene of Her Story. *The New York Times*. <https://www.nytimes.com/2017/11/29/reader-center/clearing-the-air-on-climate-education-a-reporter-returns-to-the-scene-of-her-story-ohio.html>
- Staff Report (Nov. 2017). "The New York Times" to host Nov. 7 panel with Ohio University's Patton College of Education." https://www.ohio.edu/compass/stories/17-18/10/NYT-Patton-College-Panel-Discussion-Nov-2017.cfm?utm_source=Athens+Campus+Faculty+-+Fall+2017&utm_campaign=664c0bac72-EMAIL_CAMPAIGN_2017_11-6+athens+faculty&utm_medium=email&utm_term=0_962b05b0cf-664c0bac72-42035893
- Baxstrom, E. (Sept. 2017). Sami Kahn: Service Learning. *Compass*. Office of Instructional Innovation's Showcase, Ohio University. <https://www.ohio.edu/instructional-innovation/stories/showcase/service-learning-kahn.html>
- Farragher, M. (April, 2017). Engagement Rock Stars! *Community Connections* article nominating Dr. Sami Kahn as Community Engagement "Rock Star." <https://us13.campaign-archive.com/?u=d7e412a19c0a0da2e97e86dfa&id=e3461fa3dc&e=0ebcd23f4e>
- Lumley, A. (March 2017). Ohio University, Museum of Discovery Collaborate on "Inclusive Science Day." *The Athens Messenger*. https://www.athensmessenger.com/news/ohio-university-museum-of-discovery-collaborate-on-inclusive-science-day/article_66a67701-eaff-5947-8080-f8abd18de7e4.html
- Lumley, A. (April 2017). Running for the Stars. *The Athens Messenger*. https://www.athensmessenger.com/news/running-for-the-stars/article_7dfce353-3a36-547b-a92c-1084ff5411c4.html

PROFESSIONAL AFFILIATIONS

American Educational Research Association (AERA)
Association for Science Teacher Education (ASTE)
American Association of University Women (AAUW)

Council for Elementary Science International (CESI)

Council for Exceptional Children (CEC)

National Association for Research in Science Teaching (NARST)

National Science Teachers Association (NSTA)

Science Education for Students with Disabilities (SESD) (Past-President)

Member of the Bar (Retired) – New York and New Jersey (State and Federal Courts)